

Please rewrite the Abstract as follows:

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1
~~--A high performance, low cost microprocessor system having a variable speed system clock is disclosed herein. The microprocessor system includes an integrated circuit having a central processing unit and a ring oscillator variable speed system clock for clocking the microprocessor. The central processing unit and ring oscillator variable speed system clock each include a plurality of electronic devices of like type, which allows the central processing unit to operate at a variable processing frequency dependent upon a variable speed of the ring oscillator variable speed system clock. The microprocessor system may also include an input/output interface connected to exchange coupling control signals, address and data with the central processing unit. The input/output interface is independently clocked by a second clock connected thereto.--~~

IN THE CLAIMS

Please amend claims 19-20 and 65-66 as follows:

Sub 1
7/20
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2
19(Amended). A microprocessor system, comprising a single integrated circuit including a central processing unit and a ring [counter] oscillator variable speed system clock connected to said central processing unit for clocking said central processing unit, said central processing unit and said ring [counter] oscillator variable speed system clock [being provided in a single integrated circuit] each including a plurality of electronic devices of like type, said central processing unit operating at a variable processing frequency dependent upon a variable speed of said ring oscillator variable speed system clock.

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20(Amended). The microprocessor system of Claim 19 additionally comprising an input/output interface connected to exchange coupling control signals, address and data with said [input/output interface] central processing unit, and a second clock independent of said ring [counter] oscillator variable speed system clock connected to said input/output interface.

B Sub 2
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65(Amended). In a microprocessor integrated circuit, a method for clocking the microprocessor within the integrated circuit, comprising the steps of: